

OPT-M2200A Managed Media Converter

GE SFP to 10/100/1000Base-Tx

RoHS Compliant



>>Description

The OPT-M2200A is designed to make conversion between SFP to 10/100/1000Base-TX Gigabit Ethernet. With SNMP agent and web-based management, the network administrator can logon the converter to monitor, configure and control the activity of each port. In addition, the converter implements bandwidth rating management capability via the intelligent software. The overall network management is enhanced, and the network efficiency is also improved to accommodate and deliver high bandwidth applications.

The converter is completely transparent when connected so the network performs exactly the way it did before - only now, it allows the co-existence of both copper and fiber mediums. Extra distances are possible with the single mode version delivering up to 120km connectivity per transmitted segment.

>>Main Features

- Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE 802.3x auto-negotiation
- Extends distances ranging from 0.5km (multi-mode fiber) to 120km (single mode fiber)
- Wall-Mountable
- Auto-negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Rate Limit function, 64Kbps
- Supporting Loopback, precisely locating the failure, convenient for link test
- Supporting LFP, quickly locates the failure
- Supporting remote power off alarming
- Economical management function within bandwidth
- Supporting Remote management
- Easy installation with complete LED indicators for working situation
- With powerful network management function, supporting WEB and SNMP

>> Specifications

Interface

- 1 x Ethernet port (RJ45) 10/100/1000Base-Tx
- 1 x Optical port (SFP) 1000Base-Fx

Optical Port

- Available for 1310nm and 1550nm Single mode, and 850nm Multi mode;
- Transfer Distance: up to 120km;
- Connectors: SFP
- Fiber core: 9/125µm on single-mode fiber; 50/125µm and 62.5/125µm on multi-mode fiber

Ethernet Port

- Available speed: force 10Mbps, force 100Mbps, force 1000Mbps and auto-detective 10/100/1000Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

Standard

- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)
- IEEE802.3ab (1000Base-T)
- IEEE802.3z (1000Base-SX/LX/CX/T)

- IEEE802.3x (Flow control)
- SNMP v1/v2c (Simple Network Management Protocol)

LED Indicators

- Power Status, Speed Status, FX Link/Act, TX Link/Act

Power Requirement

- Input: 220V AC Internal Power Adapter

Physical Characteristics

- Housing: Metal enclosure
- Dimensions: 156 x 128 x 32mm (excluding the connector and power switch)
- Weight: 0.75kg

Environmental Limits

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH (non-condensing)
- Storage Humidity: 5% to 90% RH (non-condensing)

Agency Approvals

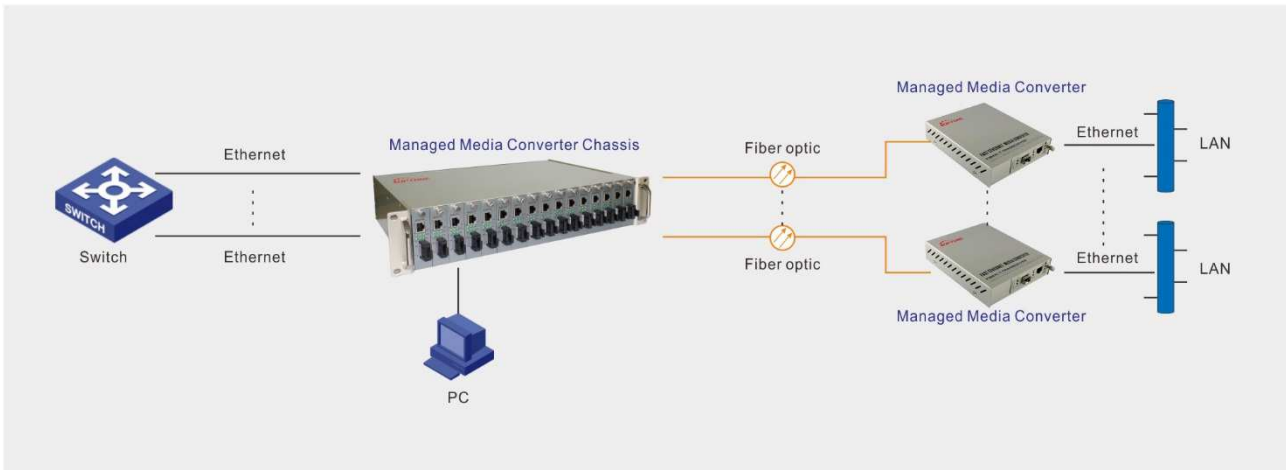
- FCC Part 15 of Class A & CE approved

Warranty

- 3 years

>> Applications

The following illustrates typical applications for the OPT-M2200A. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.





>>Ordering Information

OPT-M2200A GE SFP to 10/100/1000Base-Tx, with Managed

Optional SFP

<i>Model</i>	<i>Rate</i>	<i>Wavelength</i>	<i>Distance</i>	<i>Connector</i>
SFP-SX-MM-0205	1.25Gbps	850nm	0.5km	LC
SFP-LX-SM-0220	1.25Gbps	1310nm	20km	LC
SFP-LX-SM-0240	1.25Gbps	1310nm	40km	LC
SFP-ZX-SM-0280	1.25Gbps	1550nm	80km	LC

>>Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTONE before they become applicable to any particular order or contract. In accordance with the OPTONE policy of continuous improvement specifications may change without notice.

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